EUROPEAN PATENT OFFICE

Pat nt Abstracts of Japan

PUBLICATION NUMBER

02198415

PUBLICATION DATE

06-08-90

APPLICATION DATE

28-01-89

APPLICATION NUMBER

01018083

(I)

APPLICANT: SHIN ETSU CHEM CO LTD;

INVENTOR: YOSHIOKA HIROSHI;

(I)

INT.CL.

: G02C 7/04 A61L 27/00 C08F 12/14

TITLE

: OCULAR LENS MATERIAL

ABSTRACT: PURPOSE: To obtain the ocular lens material which simultaneously has a high refractive index, high mechanical strength, high gas permeability, and excellent mechanability by using a copolymer consisting of a silicon-contg. styrene deriv. and a fluorine-contg. styrene deriv. as its essential copolymer components.

> CONSTITUTION: This lens material is constituted of the copolymer consisting of the silicon-contg. styrene deriv. and the fluorine-contg. styrene deriv. as its essential copolymer components. The silicon-contg. styrene deriv. is exemplified by, for example, the compd. expressed by formula I (in formula I, p is 1 to 15 integer; q is 0 or 1; r is 1 to 15 integer). The fluorine-contg. styrene deriv. is exemplified by, for example, the compd. expressed by formula II (in formula II, j is 1 to 3 integer; k to 0 or 7 integer). The transparent ocular lens material which has optically the high refractive index, the excellent mechanical strength, the high oxygen permeability, and the easy machinability obtd. in this way. .

COP* RIGHT: (C)1990, JPO& Japio